

HAIPLEN EP30 G6

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

Polypropylene copolymer glass fiber reinforced 30%.
Available: all colors, UV stabilized (L), heat stabilized (H), laser printable (LP), detergent stabilized(D)

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Copolymer		
	Detergent Resistant		
	Good UV Resistance		
	Heat Stabilized		
	Laser Markable		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955
Flow	0.45 to 0.60	%	
Across Flow	0.50 to 0.70	%	
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	60.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	5.0	%	ASTM D638, ISO 527-2
Flexural Modulus	4500	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	100	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	140	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature			
--	152	°C	ASTM D1525, ISO 306/A 21

--	110	°C	ASTM D1525, ISO 306/B 3 ²
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Oxygen Index	20	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	220 to 240	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Rate	Moderate		
NOTE			
1.	Loading 1 (10 N)		
2.	Loading 2 (50 N)		

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